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Our File No. 9281-4269
Client Reference No. M US00183

jc997 U.S. PTO
10/058815
01/28/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Takashi Shirakawa et al.)
Serial No. To Be Assigned)
Filing Date: Herewith)
For: Power-Saving Thermal Head)

5/IDS
E. Usillo
10-16-02

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to the obligation under 37 C.F.R. 1.56 and in conformance with 37 C.F.R. 1.97-1.99, Applicants hereby submit references A1 – A5 listed on the attached form PTO-1449 for consideration by the Examiner. Copies of the references are enclosed herewith.

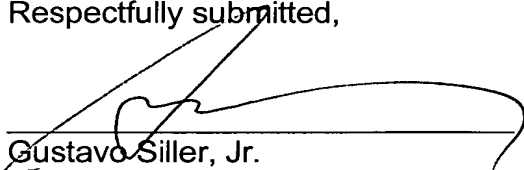
Japanese Unexamined Patent Publication Sho 52-100245 discloses a construction wherein polyimide resin is used for a thermal insulation layer. Japanese Unexamined Patent Publication Hei 8-267806 discloses a construction wherein a heat accumulation layer has a laminate structure formed by laminating resin materials and inorganic materials alternately.

The filing of this Information Disclosure Statement does not constitute an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. Section 1.56(b). Further, Applicants reserve the right to contest these references as prior art against the present application, and Applicants do not believe that the disclosure of these references, even if finally determined to be prior art, anticipates Applicants' invention or that these references make Applicants' invention obvious.

No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to this material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925.

Applicants respectfully request that the Examiner review the entire disclosure of these documents and make them of record.


Respectfully submitted,



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Registration No. 32,305
Attorney for Applicants

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| FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary) | SERIAL NO. | CASE NO. |
| | To be Assigned | 9281-4269 |
| | FILING DATE | GROUP ART UNIT |
| Herewith | | |
| APPLICANTS: Takashi Shirakawa et al. | | |

| REFERENCE DESIGNATION | | | U.S. PATENT DOCUMENTS | | | |
|-----------------------|----|-----------------|-----------------------|--------------|-----------------|--|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS/ SUBCLASS | FILING DATE |
| KF | A1 | 4,963,893 | 10/1990 | Homma et al. | 347/200 | Jc997 U.S. PTO 10/058815  |
| KF | A2 | 5,119,112 | 06/1992 | Homma et al. | 347/202 | |
| KF | A3 | 5,177,498 | 01/1993 | Homma et al. | 347/202 | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|----|--|---------|---------|-----------------|-----------------|----------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS/ SUBCLASS | TRANSLATION YES | TRANSLATION NO |
| KF | A4 | Japanese Unexamined Patent Publication Sho 52-100245 | 08/1977 | Japan | S | X (Partial) | |
| KF | A5 | Japanese Unexamined Patent Publication Hei 8-267806 | 10/1996 | Japan | | X (Partial) | |
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| EXAMINER INITIAL | OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.) | |
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| EXAMINER | K 711 - | DATE CONSIDERED | 05/83 |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.